## (19) World Intellectual Property Organization

International Bureau



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(43) International Publication Date 10 March 2005 (10.03.2005)

PCT

## (10) International Publication Number WO 2005/022412 A1

(51) International Patent Classification<sup>7</sup>:

G06F 17/30

(21) International Application Number:

PCT/KR2004/002117

(22) International Filing Date: 23 August 2004 (23.08.2004)

(25) Filing Language:

English

(26) Publication Language:

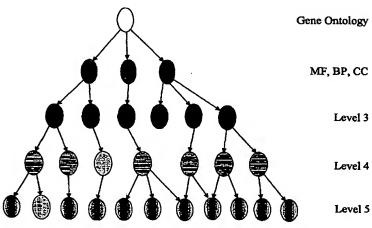
English

(30) Priority Data:

10-2003-0060528 30 August 2003 (30.08.2003)

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,



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(54) Title: A SYSTEM FOR ANALYZING BIO CHIPS USING GENE ONTOLOGY AND A METHOD THEREOF

(57) Abstract: Disclosed is a system for analyzing a bio chip using Gene Ontology (hereinafter referred to "GO") and a method thereof. According to a preferred embodiment of the present invention, it is provided a system for analyzing a bio chip comprising is a GO(gene ontology) term assigning part for receiving a statistical clustering data obtained from empirical results of the bio chip, assigned by the GO term assigning part for receiving a statistical clustering data obtained from empirical results of the bio chip, assigned by the GO term assigning part to the genes contained in each cluster; a GO code converting part for recovering the GO terms assigned by the GO term assigning part to the genes into GO codes, the GO code converting part for converting the GO terms or receiving a statistical clustering data obtained from empirical results of the bio chip, assigned by the GO term assigning part to the genes into GO codes, the GO code converting part for converting the GO terms or receiving a statistical clustering data obtained from empirical results of the bio chip, assigned by the GO term assigning part to the genes into GO codes, the GO code converting part for converting the GO terms or receiving a statistical clusters on one of GO terms or GO code comparising a group of predetermined numbers; and a bidstances between one of GO terms on GO tree structure contained in a predetermined group and the GO terms corresponding to the genes contained in the cluster and colors. pseudo distance or maximum pseudo distance of the calculated pseudo distances, and calculating at least one of average pseudo distances or maximum pseudo distances for all GO terms included on GO tree structure in the predetermined group and the GO terms corresponding to the genes contained in the cluster, and determining an optimum GO term matching with the cluster.





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